## (19) World Intellectual Property Organization International Bureau



## I DERIK BUNDAN MERANGKAN BERMERAN KERMERAN NI DI KERENTAN BURMERAN BURMERAN BERMERAN DERIKAN DERIKAN DERIKAN B

(43) International Publication Date 19 May 2005 (19.05.2005)

**PCT** 

## (10) International Publication Number WO 2005/044500 A1

(51) International Patent Classification7:

B23K 9/04

(21) International Application Number:

PCT/GB2003/004562

(22) International Filing Date: 21 October 2003 (21.10.2003)

(25) Filing Language:

English

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): WELD-ING ALLOYS LIMITED [GB/GB]; The Way, Fowlmere, Near Royston, Hertfordshire SG8 7QS (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SCANDELLA, Jean-Louis [FR/FR]; 22, rue des Americains, F-68320 Holtzwihr (FR). SIMPSON, Michael, Paul [GB/GB]; 23 Scotland End, Chippenham, Ely, Cambridgeshire CB7 5TN (GB). WHITMORE, Leslie [GB/GB]; 72 Monks Walk, Buntingford, Hertfordshire SG9 9DP (GB).

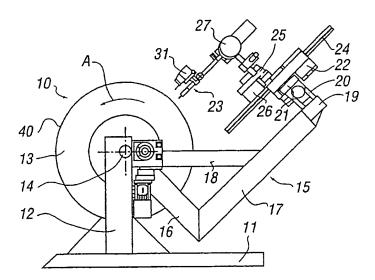
- (74) Agent: BRITTER, Keith, Palmer; Britter and Co., Enterprise House, 14b Whitehorse Street, Baldock, Hertfordshire SG7 6QN (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

[Continued on next page]

(54) Title: MANUFACTURE OF HARDFACED PLATES



(57) Abstract: A method of manufacturing a hardfaced plate (1) by applying a cladding (3) to a surface of a substrate (40) by arc welding, the method comprising moving the substrate (4) and a continuous arc welding wire feed (23) relative to each other, wherein the welding wire feed (23) is in a direction generally transverse to said given direction of relative movement. The welding wire can be fed by a welding gun (23) to the surface of the substrate (4) to be clad from one side of the given direction of relative movement at an acute angle to the surface of the substrate (40).

05/044500 A1 |||||||



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.